

Listing and Amendments to the Claims

This listing of claims will replace the claims that were published in the PCT Application:

1. (currently amended) Device ~~(10)~~ for the adjustment of the bit rate of a stream of contents ~~(CONT)~~ as a function of processing capabilities of at least one receiver ~~(1)~~, said contents ~~(CONT)~~ being transmitted by a sender ~~(2)~~ to said receiver ~~(1)~~ via a network ~~(5)~~, according to a communication protocol providing for a return transmission of reception data ~~(REP)~~ of said contents ~~(CONT)~~ by said receiver ~~(1)~~ to said sender ~~(2)~~, said device ~~(10)~~ comprising :
 - a module ~~(11)~~ for inputting information relating to said capabilities,
 - a module ~~(12)~~ for estimating a required level for said bit rate at least as a function of said information,
 - and a module ~~(13)~~ for writing stream adjustment cues that is intended to write said adjustment cues for return transmission with said reception data ~~(REP)~~ to said sender ~~(2)~~, said adjustment cues being capable of bringing about a modification of said bit rate in relation to said required level,
~~characterized in that~~ wherein said communication protocol providing for a return transmission to said sender ~~(2)~~ of at least one parameter relating to conditions of communication of said contents ~~(CONT)~~ in said network ~~(5)~~ between said sender ~~(2)~~ and said receiver ~~(1)~~, the writing module ~~(13)~~ is intended to modify said parameter in such a way as to use it to transmit said adjustment cues.
2. (currently amended) Adjustment device ~~(10)~~ according to Claim 1, ~~characterized in that~~ wherein said communication protocol is the RTCP protocol.
3. (currently amended) Adjustment device ~~(10)~~ according to ~~one of Claims 1 or 2,~~ ~~characterized in that~~ Claim 1, wherein said parameter of the protocol ~~(DLSR)~~ is intended to serve to calculate a round trip transmission delay ~~(RTT)~~ between said sender ~~(2)~~ and said receiver ~~(1)~~.

4. (currently amended) Adjustment device (10) according to Claim 3, ~~characterized in that~~ wherein said parameter of the protocol comprises a delay (DLSR) introduced at said receiver (1) between a moment of reception of said contents (CONT) and a moment of sending of said reception data (REP) by said receiver (1).
5. (currently amended) Adjustment device (10) according to ~~any one of the preceding claims, characterized in that~~ Claim 1, wherein said parameter of the protocol comprises a contents loss rate (p).
6. (currently amended) Adjustment device (10) according to ~~any one of the preceding claims, characterized in that~~ Claim 1, wherein said writing module (13) is capable of modifying said parameter by means of several successive variations of said parameter.
7. (currently amended) Adjustment device (10) according to ~~any one of the preceding claims, characterized in that~~ Claim 1, wherein said estimating module (12) is capable of determining a value to be attained for said bit rate of said stream of contents (CONT) also as a function of a rate of sharing of said capabilities of said receiver (1).
8. (currently amended) Adjustment device (10) according to ~~any one of the preceding claims, characterized in that~~ Claim 1, wherein said input module (11) and estimation module (12) are designed so that said processing capabilities of the receiver (1) comprise at least one criterion of the performance of said receiver chosen from among a data processing speed, a memory volume, an energy consumption and a presence of components dedicated to the processing of said contents (CONT).
9. (currently amended) Reception terminal (1) ~~characterized in that~~ wherein it comprises a device (10) for adjusting bit rate in accordance with ~~any one of Claims 1 to 8~~ Claim 1.

10. (currently amended) Process for the adjustment of the bit rate of a stream of contents (~~CONT~~) as a function of processing capabilities of at least one receiver (~~1~~), said contents (~~CONT~~) being transmitted by a sender (~~2~~) to said receiver (~~1~~) via a network (~~5~~), according to a communication protocol providing for a return transmission of reception data (~~REP~~) of said contents (~~CONT~~) by said receiver (~~1~~) to said sender (~~2~~), said process comprising the following steps :

- a required level for said bit rate is estimated, at least as a function of information relating to said capabilities,
- and stream adjustment cues for return transmission with said reception data (~~REP~~) to said sender (~~2~~) are written, said adjustment cues being capable of bringing about a modification of said bit rate in relation to said required level,

~~characterized in that~~ wherein said communication protocol providing for a return transmission to said sender (~~2~~) of at least one parameter relating to conditions of communication of said contents (~~CONT~~) in said network (~~5~~) between said sender (~~2~~) and said receiver (~~1~~), said cues are written while modifying said parameter, in such a way as to use it to transmit said adjustment cues,

said adjustment process preferably being intended to be implemented by means of an adjustment device in accordance with ~~any one of Claims 1 to 8~~ Claim 1.

11. (currently amended) Process for the adjustment of bit rate according to Claim 10, ~~characterized in that~~ wherein said network (~~5~~) is a point-to-point communication network and the stream of said contents (~~CONT~~) is transmitted continuously.

12. (currently amended) Computer program product comprising program code instructions for the execution of the steps of the process according to ~~one of Claims 10 or 11~~ Claim 10 when the said program is executed on a computer.